

09 / 01245

WO 99/61661

1

PCT/FR99/01247

JC01 Rec'd PCT/PTO 27 NOV 2000
SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT:

- (A) NAME: BIOMERIEUX
- (B) STREET: CHEMIN DE L'ORME
- (C) CITY: MARCY L'ETOILE
- (E) COUNTRY: FRANCE
- (F) POSTAL CODE: 69280

(ii) TITLE OF THE INVENTION: Method for amplifying at least one specific nucleotide sequence, and primers used

(iii) NUMBER OF SEQUENCES: 19

(iv) CORRESPONDENCE ADDRESS:

- (A) NAME: Cabinet GERMAIN & MAUREAU
- (B) STREET: 12 rue Boileau
- (C) CITY: LYON
- (D) COUNTRY: FRANCE
- (E) POSTAL CODE: 69006
- (F) TELEPHONE: 04 72 69 84 30
- (G) TELEFAX: 04 72 69 84 31

(v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: DS, HD 3.5 inch disk
- (B) COMPUTER: EPSON (IBM compatible)
- (C) OPERATING SYSTEM: DOS
- (D) SOFTWARE: MICROSOFT WORD FOR WINDOWS

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
ATCCTTCGTG TCCCCACAGC ACG

23

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

TCGCCGCTGC ACTGTGAAG

19

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 24 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA
(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
- (B) LOCATION: 24 (3' end)
- (D) OTHER INFORMATION: modification by the [lacuna] group

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
CCCCCCAGCA CGTTTCTTGG AGCT

24

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 24 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
- (B) LOCATION: 1 (5' end)
- (D) OTHER INFORMATION: modification by the acridine group

(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
- (B) LOCATION: 24 (3' end)
- (D) OTHER INFORMATION: modification by H

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

CCCCCCAGCA CGTTTCTTGG AGCT

24

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 26 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
- (B) LOCATION: 24
- (D) OTHER INFORMATION: G means inosine (i)

(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
- (B) LOCATION: 26 (3' end)
- (D) OTHER INFORMATION: modification by the C₆-NH₂ group

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

CCCACAGCAC GTTTCTTGGA GCAGGC

26

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 21 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
CCCAGCACGT TTCTGGAGC T

21

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 24 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: cDNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
CCCCCCAGCA CGTTTCTTGG AGCT

24

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 24 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ix) CHARACTERISTIC:
(A) NAME/KEY: particular characteristic
(B) LOCATION: 23
(D) OTHER INFORMATION: G means inosine (i)
(ii) MOLECULE TYPE: cDNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
CCCCCCAGCA CGTTTCTTGG AGGT

24

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 24 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: cDNA
(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
 - (B) LOCATION: 22
 - (D) OTHER INFORMATION: G means inosine (i)
- (ix) CHARACTERISTIC:
- (A) NAME/KEY: particular characteristic
 - (B) LOCATION: 23
 - (D) OTHER INFORMATION: G means inosine (i)
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

CATTCCTCA ATGGGACCGGA GGGA

24

(2) INFORMATION FOR SEQ ID NO: 10:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 26 base pairs
 - (B) TYPE: nucleotide
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (ix) CHARACTERISTIC:
- (A) NAME/KEY: particular characteristic
 - (B) LOCATION: 24
 - (D) OTHER INFORMATION: G means inosine (i)
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

CCCCCAGCAC GTTTCTTGGGA GCAGGC

26

(2) INFORMATION FOR SEQ ID NO: 11:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 26 base pairs
 - (B) TYPE: nucleotide
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (ix) CHARACTERISTIC:
- (A) NAME/KEY: particular characteristic
 - (B) LOCATION: 24
 - (D) OTHER INFORMATION: G means inosine (i)
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

CCACACAGCAC GTTTCTTGGA GCAGGC

26

(2) INFORMATION FOR SEQ ID NO: 12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

CACGTTTCTT GCAGCAGGA

19

(2) INFORMATION FOR SEQ ID NO: 13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 22 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

CAGCACGTTT CTTGCAGCAG GA

22

(2) INFORMATION FOR SEQ ID NO: 14:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
- (B) LOCATION: 3
- (D) OTHER INFORMATION: G means inosine (i)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:

CAGGTTTCTT GCAGCAGGA

19

(2) INFORMATION FOR SEQ ID NO: 15:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 22 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
- (B) LOCATION: 6
- (D) OTHER INFORMATION: G means inosine (i)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:

CAGCAGGTTT CTTGCAGCAG GA

22

(2) INFORMATION FOR SEQ ID NO: 16:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 26 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
- (B) LOCATION: 10
- (D) OTHER INFORMATION: G means inosine (i)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:

CCCCCAGCAG GTTTCTTGCA GCAGGA

26

(2) INFORMATION FOR SEQ ID NO: 17:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 26 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) CHARACTERISTIC:

(A) NAME/KEY: particular characteristic
(B) LOCATION: 10
(D) OTHER INFORMATION: G means inosine (i)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
CCACAGCAG GTTCTTGCA GCAGGA

26

(2) INFORMATION FOR SEQ ID NO: 18:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 26 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: cDNA
(ix) CHARACTERISTIC:
(A) NAME/KEY: particular characteristic
(B) LOCATION: 10
(D) OTHER INFORMATION: G means inosine (i)
(ix) CHARACTERISTIC:
(A) NAME/KEY: particular characteristic
(B) LOCATION: 25
(D) OTHER INFORMATION: G means inosine (i)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
CCACAGCAG GTTCTTGCA GCAGGA

26

(2) INFORMATION FOR SEQ ID NO: 19:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 26 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: cDNA
(ix) CHARACTERISTIC:
(A) NAME/KEY: particular characteristic
(B) LOCATION: 10
(D) OTHER INFORMATION: G means inosine (i)
(ix) CHARACTERISTIC:

- (A) NAME/KEY: particular characteristic
 - (B) LOCATION: 25
 - (D) OTHER INFORMATION: G means inosine (i)
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:

CCCCCAGCAG GTTTCTTGCA GCAGGA